

**University of Montana Western**  
**Education Division**  
**UMW Licensure Eligibility Data Report**  
**Based on Montana Assessment of Content Knowledge (MACK) Calculations**  
**Two Cycles of Data: Fall 2023, Spring 2024**

- Two cycles of data are represented here (see above).

**How is licensure eligibility calculated by the Education Division of the University of Montana Western?**

All EPPs in the State of Montana use a three-pronged system to calculate licensure eligibility. Rather than relying on one assessment only for licensure recommendations, the EPPs agree to use the “MACK,” a combination of GPA, Praxis scores, and Content Knowledge Assessment Scores, as described below.

**Explanation of the Montana Assessment of Content Knowledge (MACK) Verification System:** (Taken from the Montana Office of Public Instruction [OPI] explanation document dated June 24, 2021.)

Teacher candidates completing an accredited Educator Preparation Provider (EPP) program in Montana must meet the minimum content knowledge requirements described below to be recommended for licensure/endorsement. This policy is the result of ongoing dialogue and consensus between the Montana Office of Public Instruction (OPI) and Montana EPPs. This practice ensures consistency across state programs. Montana Board of Public Education accredited schools must employ teachers with an active Montana license and assign those teachers to teach classes in their endorsed subject area(s).

**Montana Assessment of Content Knowledge Verification**

Teacher candidates must earn at least 7 points on the Montana Assessment of Content Knowledge prior to recommendation for licensure/endorsement by an accredited Montana EPP. The possible range for the Content Knowledge Score (CKS) is 0-10. Teacher candidates earning fewer than 7 CKS points or who score zero on any of the three rubric components shall not be recommended for licensure/endorsement.

For candidates receiving a score of 1\* on rubric components 1, 2, or 3, each Montana EPP will conduct a further individualized review of the candidate’s content knowledge and teaching skills, based on established policy, to ensure that the candidate merits recommendation for licensure/endorsement.

**1. Assessment of Content Knowledge—Coursework GPA:** The range for awarding points is 0 – 4, and will be calculated as follows:

3.50-4.00	4
3.00-3.49	3
2.65-2.99	2
2.00-2.64	1*
Below 2.00	0

**2. Assessment of Content Knowledge—Demonstrated During Student Teaching/Clinical Practice:** The range for awarding points is 0 – 3, and will be calculated as follows:

Descriptor	Points
Knowledge is Advanced	3
Knowledge is Proficient	2
Knowledge is Basic	1*
Knowledge is in Sufficient	0

**NOTE:** The assessment is completed by a cooperating teacher, college or university supervisor, or faculty member.

**3. Assessment of Content Knowledge—Appropriate Praxis Subject Assessments:** The range for awarding points is 0 – 3, and will be calculated as follows:

Score/ Range	Points
Meets/Exceeds MT Score	3
At least 90% of MT score	2
At least 80% of MT score	1*
Below 80% of MT score	0

## Fall 2023 Data

### Licensure Eligibility, All Teacher Education Programs combined, Fall 2023 (N=52)

Criteria	Licensure Area 1 Mean (n=52)	Licensure Area 1 S.D.	Licensure Area 2 Mean	Licensure Area 2 S.D.
Overall GPA	3.71	.26		
Major GPA, Licensure score value	3.82	.39		
Praxis exam, Licensure score value	2.5	.7		
Content Knowledge Evaluation	2.62	.38		
Content Knowledge Evaluation, Licensure score value	2.69	.47		
Licensure Score	9	1		
Eligible for license	52/52			

### Licensure Eligibility, comparison by Teacher Education Program, Fall 2023

Criteria	ECE (n=9) Mean/S.D		Art (n=2) Mean/S.D		Biology (n=0) Mean/S.D		Elementary (n=25) Mean/S.D		English (n=1) Mean/S.D		Math (n=1) Mean/S.D	
Overall GPA	3.64	.28	3.29	.41			3.71	.23	4		4	
GPA, Licensure score value	3.67	.5	3.5	.70			3.88	.33				
Praxis, Licensure score value	2.89	.33	3	0			2.16	.85				
CK Evaluation	2.49	.43	2.65	.49			2.55	.49				
CKE, Licensure score value	2.56	.58	2.5	.7			2.6	.5				
Licensure Score	9.11	.78	9	1.41			8.64	1.07				
Eligible for license	9/9		2/2				25/25		1/1		1/1	

Criteria	Business (n=2) Mean/S.D		ISS (n=1) Mean/S.D		History (n=2) Mean/S.D		Science (n=1) Mean/ S.D		PEH (n=1) Mean/ S.D		SPED (n=5) Mean/S.D	
	Overall GPA	3.92		3.41		3.76	.1	4		3.33		3.96
GPA, Licensure score value	4	.11			4	0					4	0
Praxis, Licensure score value	3	0			2.5	.7					2.8	.44
CK Evaluation	2.56	0			2.9	.14					2.88	.18
CKE, Licensure score value	3	0			3	0					3	0
Licensure Score	10	0			9.5	.7					9.8	.44
Eligible for license	2/2		1/1		2/2		1/1		1/1		5/5	

#### Licensure Eligibility, Elementary Education, Secondary & K-12, and P-3 Comparisons, Fall 2023

Criteria	K-8 (n=25) Mean/S.D		5-12 (n=8) Mean/S.D		K-12 (n=10) Mean/S.D		p-3 (n=9) Mean/S.D	
	Overall GPA	3.71	.23	3.82	.2	3.77	.35	3.64
GPA, Licensure score value	3.88	.33	3.87	.35	3.8	.42	3.67	.5
Praxis, Licensure score value	2.16	.85	2.87	.35	2.8	.42	2.89	.33
CK Evaluation	2.55	.49	2.73	.23	2.85	.23	2.49	.43
CKE, Licensure score value	2.6	.5	2.87	.35	2.9	.31	2.56	.58
Licensure Score	8.64	1.07	9.62	.74	9.5	.84	9.11	.78
Eligible for license	25/25		8/8		10/10		9/9	

## Spring 2024 Data

### Licensure Eligibility, All Teacher Education Programs combined, Spring 2024 (N=42)

Criteria	Licensure Area 1 Mean (n=42)	Licensure Area 1 S.D.	Licensure Area 2 Mean	Licensure Area 2 S.D.
Overall GPA	3.8	.24		
Major GPA, Licensure score value	3.9	3		
Praxis exam, Licensure score value	2.76	.62		
Content Knowledge Evaluation	2.74	.36		
Content Knowledge Evaluation, Licensure score value	2.83	.38		
Licensure Score	9.52	1.01		
Eligible for license	42/42			

### Licensure Eligibility, comparison by Teacher Education Program, Spring 2024

Criteria	ECE (n=4) Mean/S.D		Art (n=0) Mean/S.D		Biology (n=0) Mean/S.D		Elementary (n=11) Mean/S.D		English (n=6) Mean/S.D		Math (n=0) Mean/S.D	
Overall GPA	3.69	.40					3.73	.29	3.77	.18		
GPA, Licensure score value	3.75	.5					3.81	.4	4	0		
Praxis, Licensure score value	3	0					2.27	1	3	0		
CK Evaluation	2.9	.11					2.46	.52	2.68	.29		
CKE, Licensure score value	3	0					2.54	.52	2.83	.4		
Licensure Score	9.75	.5					8.63	.5	9.83	.45		
Eligible for license	4/4						11/11		6/6			

Criteria	Business (n=2) Mean/ S.D		ISS (n=2) Mean/S.D		History (n=0) Mean/ S.D		Science (n=1) Mean/ S.D		PEH (n=5) Mean/S.D		SPED (n=9) Mean/S.D	
	Overall GPA	3.92	.11	3.8	.18			3.52		3.87	.15	3.87
GPA, Licensure score value	4	0	4	0					4	0	3.89	.33
Praxis, Licensure score value	3	0	2.65	0					3	0	3	0
CK Evaluation	2.8	.52	2.7	.14					2.7	.31	2.94	.17
CKE, Licensure score value	3	0	2.83	0					2.8	.45	3	0
Licensure Score	10	0	9.83	.71					9.8	.45	10	0
Eligible for license	2/2		2/2				1/1		5/5		9/9	

**Licensure Eligibility, Elementary Education, Secondary & K-12, and P-3 Comparisons, Spring 2024**

Criteria	K-8 (n=11) Mean/S.D		5-12 (n=11) Mean/S.D		K-12 (n=15) Mean/S.D		p-3 (n=4) Mean/S.D	
	Overall GPA	3.73	.29	3.72	.17	3.87	.19	3.69
GPA, Licensure score value	3.81	.4	4	0	3.93	.25	3.75	.5
Praxis, Licensure score value	2.27	1	2.83	.39	3	0	3	0
CK Evaluation	2.46	.52	2.75	.25	2.87	.24	2.9	.11
CKE, Licensure score value	2.54	.52	2.91	.28	2.93	.26	3	0
Licensure Score	8.63	.5	9.75	.45	9.93	.26	9.75	.5
Eligible for license	11/11		11/11		15/15		4/4	